

**SYNTHESIS OF DOUBLE METAL CYANIDES  
WITH NON-AQUEOUS SOLUTIONS**

**ABSTRACT OF THE DISCLOSURE**

5 An improved method for synthesizing a double metal cyanide (DMC) catalyst includes combining a non-aqueous solution of a first metal salt, such as  $ZnBr_2$ , with a non-aqueous solution of a second metal salt, such as  $CoBr_2$ , and with a non-aqueous solution of an alkali metal cyanide, such as  $NaCN$ , in a single step to synthesize the DMC catalyst,  $Zn_3[Co(CN)_6]_2$ .

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